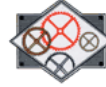




www.jccmi.edu

Electronic Technology/Microcomputer Certificate



Engineering/Manufacturing & Industrial Technology

| | |
|-------------------------------------|-----|
| Minimum credits: | 35 |
| Minimum cumulative GPA: | 2.0 |
| Minimum grade in all courses: | 2.0 |
| Minimum JCC credits: | 12 |
| MACRAO agreement: | No |

GENERAL EDUCATION REQUIREMENTS – (6 credits)

| | |
|--|---|
| ENG 131 Writing Experience | 3 |
| MTH 131 Intermediate Algebra or higher | 3 |

RELATED REQUIREMENTS — (3 credits)

| | |
|--|---|
| CIS 160 Programming in Visual Basic.NET..... | 3 |
| ELT 250 Electric Motors and Controls | 4 |
| ELT 260 Basic Programmable Controllers | 4 |
| ELT 280 Digital Systems | 4 |

MICROCOMPUTER CORE REQUIREMENTS—

(26 credits)

| | |
|--|---|
| CIS 012 Windows® Workshop | 1 |
| CIS 013 Operating Systems: UNIX..... | 1 |
| CIS 016 Microsoft® DOS® Workshop..... | 1 |
| CIS 101 Introduction to Computer Systems | 3 |
| CIS 174 PC Repair/A+ Hardware Component..... | 3 |
| CIS 175 PC Repair/A+ Software Component | 3 |
| CIS 176 A+ Certification Exam Preparation..... | 1 |
| CIS 177 Network+ Networking Fundamentals Component. | 3 |
| ELT 119 DC Fundamentals | 3 |
| ELT 124 AC Fundamentals | 2 |
| ELT 129 Semiconductor Devices | 2 |
| ELT 139 Digital Electronic Fundamentals | 3 |